

APPENDIX A  
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1. (Amended) A purified endonuclease enzyme which is secreted from a human B lymphoblastic IM9 cell line or a 12-tetradecanoylphorbol 13-acetate-treated U937 cell line and recognizes bacterial DNA as a foreign agent and processes the DNA to produce about 10 bp single-stranded oligonucleotides including a CpG motif which is involved in immune response.

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3. (Twice Amended) The endonuclease enzyme according to claim 1, which has the following physiochemical properties:

- a) molecular weight: about 72.4 kD by SDS-PAGE;
- b) divalent cation dependency:  $Mg^{2+}$  dependent; and
- c) optimal pH: about 6.5 to 7.5.

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6. (Twice Amended) The endonuclease enzyme according to claim 1, wherein the mobility distance of the enzyme activity by native-PAGE is apparently distinct from that of DNase I.

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APPENDIX C

CLEAN COPY OF NEW PARAGRAPH

This application is a continuation of PCT Application PCT/KR98/00136, having an international filing date of May 30, 1998.